

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076169.D
 Acq On : 22 May 2023 10:38
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

05/23/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: May 22 14:21:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	241249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	396990	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	360447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	187022	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	98039	42.048	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.100%
35) Dibromofluoromethane	7.804	113	120044	43.747	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.500%
50) Toluene-d8	10.269	98	469195	43.862	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.720%
62) 4-Bromofluorobenzene	12.575	95	132063	44.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.880%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	99043	45.521	ug/l	98
3) Chloromethane	2.146	50	173199	48.321	ug/l	96
4) Vinyl Chloride	2.281	62	235981	50.290	ug/l	98
5) Bromomethane	2.687	94	150193	47.542	ug/l	100
6) Chloroethane	2.834	64	159259	50.447	ug/l	100
7) Trichlorofluoromethane	3.169	101	187255	47.081	ug/l	99
8) Diethyl Ether	3.593	74	59561	45.537	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.969	101	124527	47.532	ug/l	95
10) Methyl Iodide	4.163	142	143611	52.721	ug/l	90
11) Tert butyl alcohol	5.046	59	28797	233.481	ug/l #	100
12) 1,1-Dichloroethene	3.940	96	123939	47.533	ug/l	91
13) Acrolein	3.799	56	70986	235.162	ug/l	97
14) Allyl chloride	4.557	41	125939	47.592	ug/l #	81
15) Acrylonitrile	5.252	53	126339	233.286	ug/l	95
16) Acetone	4.016	43	130508	281.326	ug/l #	85
17) Carbon Disulfide	4.263	76	327521	46.197	ug/l	97
18) Methyl Acetate	4.557	43	75122	45.396	ug/l #	78
19) Methyl tert-butyl Ether	5.316	73	249238	48.837	ug/l	97
20) Methylene Chloride	4.799	84	155825	40.486	ug/l #	77
21) trans-1,2-Dichloroethene	5.310	96	138720	46.162	ug/l #	80
22) Diisopropyl ether	6.216	45	303619	49.431	ug/l #	90
23) Vinyl Acetate	6.157	43	704865	291.858	ug/l #	89
24) 1,1-Dichloroethane	6.110	63	228269	47.123	ug/l	97
25) 2-Butanone	7.081	43	151692	260.060	ug/l #	73
26) 2,2-Dichloropropane	7.075	77	195650	49.533	ug/l	92
27) cis-1,2-Dichloroethene	7.081	96	160502	48.131	ug/l	85
28) Bromochloromethane	7.422	49	69528	43.046	ug/l #	62
29) Tetrahydrofuran	7.446	42	80236	236.002	ug/l #	67
30) Chloroform	7.593	83	245299	47.353	ug/l	100
31) Cyclohexane	7.875	56	164749	46.136	ug/l	85
32) 1,1,1-Trichloroethane	7.793	97	195823	47.434	ug/l	96
36) 1,1-Dichloropropene	8.010	75	177564	47.912	ug/l	94
37) Ethyl Acetate	7.169	43	57461	44.775	ug/l #	82
38) Carbon Tetrachloride	7.993	117	157952	47.185	ug/l	92
39) Methylcyclohexane	9.275	83	206761	48.459	ug/l	92
40) Benzene	8.251	78	548380	46.025	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.399	41	31043	44.116	ug/l	#	70
42) 1,2-Dichloroethane	8.322	62	127229	45.145	ug/l		93
43) Isopropyl Acetate	8.363	43	105633	44.064	ug/l	#	81
44) Trichloroethene	9.028	130	149037	44.384	ug/l		92
45) 1,2-Dichloropropane	9.304	63	132736	45.165	ug/l	#	89
46) Dibromomethane	9.393	93	73231	44.454	ug/l		93
47) Bromodichloromethane	9.581	83	182895	46.195	ug/l		93
48) Methyl methacrylate	9.381	41	46004	43.359	ug/l	#	60
49) 1,4-Dioxane	9.387	88	16485	935.795	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.157	43	290356	227.733	ug/l	#	80
52) Toluene	10.334	92	359084	48.254	ug/l		97
53) t-1,3-Dichloropropene	10.551	75	167404	46.914	ug/l		95
54) cis-1,3-Dichloropropene	10.016	75	206914	47.515	ug/l	#	77
55) 1,1,2-Trichloroethane	10.734	97	107370	45.451	ug/l		96
56) Ethyl methacrylate	10.598	69	113354	47.738	ug/l	#	68
57) 1,3-Dichloropropane	10.881	76	171735	46.337	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.869	63	253150	222.200	ug/l		91
59) 2-Hexanone	10.922	43	222405	247.349	ug/l		76
60) Dibromochloromethane	11.075	129	123343	46.435	ug/l		98
61) 1,2-Dibromoethane	11.181	107	97295	46.299	ug/l		97
64) Tetrachloroethene	10.810	164	122718	44.275	ug/l		97
65) Chlorobenzene	11.610	112	387887	47.270	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.681	131	134542	47.644	ug/l		96
67) Ethyl Benzene	11.687	91	653513	49.840	ug/l		94
68) m/p-Xylenes	11.792	106	534988	99.830	ug/l		91
69) o-Xylene	12.122	106	247966	50.710	ug/l		92
70) Styrene	12.134	104	429857	50.703	ug/l		94
71) Bromoform	12.298	173	70976	44.683	ug/l	#	99
73) Isopropylbenzene	12.422	105	623249	50.377	ug/l		96
74) N-amyl acetate	12.234	43	96777	43.917	ug/l	#	76
75) 1,1,2,2-Tetrachloroethane	12.675	83	116398	43.775	ug/l		97
76) 1,2,3-Trichloropropane	12.728	75	79678m	48.685	ug/l		
77) Bromobenzene	12.704	156	152480	45.983	ug/l		91
78) n-propylbenzene	12.763	91	776823	50.445	ug/l		96
79) 2-Chlorotoluene	12.851	91	411340	48.263	ug/l		91
80) 1,3,5-Trimethylbenzene	12.904	105	522828	50.978	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.469	75	36383	46.637	ug/l	#	71
82) 4-Chlorotoluene	12.945	91	438082	48.324	ug/l		92
83) tert-Butylbenzene	13.169	119	441958	50.990	ug/l		93
84) 1,2,4-Trimethylbenzene	13.216	105	517747	50.691	ug/l		93
85) sec-Butylbenzene	13.345	105	694544	51.417	ug/l		97
86) p-Isopropyltoluene	13.463	119	569213	51.499	ug/l		94
87) 1,3-Dichlorobenzene	13.457	146	320453	47.797	ug/l		96
88) 1,4-Dichlorobenzene	13.539	146	311195	46.876	ug/l		97
89) n-Butylbenzene	13.786	91	527210	50.615	ug/l		98
90) Hexachloroethane	14.051	117	109743	48.270	ug/l		98
91) 1,2-Dichlorobenzene	13.833	146	275152	46.765	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	15488	44.860	ug/l		85
93) 1,2,4-Trichlorobenzene	15.098	180	159751	46.678	ug/l		96
94) Hexachlorobutadiene	15.204	225	77093	44.180	ug/l		97
95) Naphthalene	15.333	128	304323	47.856	ug/l		99
96) 1,2,3-Trichlorobenzene	15.522	180	139289	44.751	ug/l		98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

